

AMENDMENTS TO THE CLAIMS

1-60. (Cancelled)

61. (Currently Amended) Apparatus for cleaning or de-icing a vehicle window, comprising:

a reservoir for containing therein a washing fluid;

a vessel having an inlet through which the washing fluid is received from the reservoir and an outlet through which the fluid is discharged;

at least one spray head in fluid communication with the outlet through which the fluid is sprayed onto at least one vehicle window;

at least one windshield wiper for wiping said at least one window;

and

a windshield wiper actuator system including:

a motor which actuates said windshield wiper; and

a controller operative to control at least one of said at least one spray head and said at least one windshield wiper based on a measured value of a torque of said motor received by said controller;

said at least one windshield wiper being operative to wipe said window between two limits of travel;

said motor being operative to move said at least one windshield wiper in both a clockwise direction and a counterclockwise direction; and

said controller being operative to change the direction of said at least one windshield wiper without reaching at least one of said two limits of travel.

62. (Cancelled)

63. (Previously Presented) Apparatus according to claim 62 wherein said controller is operative to change the direction of said at least one windshield wiper without reaching at least one of said two limits of travel based on said torque.

64. (Previously Presented) Apparatus according to claim 61 wherein said controller is operative to synchronize operation of said at least one spray head with movement of said at least one windshield wiper.

65. (Currently Amended) Apparatus ~~according to claim 61, wherein~~ for cleaning or de-icing a vehicle window, comprising:

a reservoir for containing therein a washing fluid;

a vessel having an inlet through which the washing fluid is received from the reservoir and an outlet through which the fluid is discharged;

at least one spray head in fluid communication with the outlet through which the fluid is sprayed onto at least one vehicle window;

at least one windshield wiper for wiping said at least one window;

and

a windshield wiper actuator system including:

a motor which actuates said windshield wiper; and
a controller operative to control at least one of said at least one
spray head and said at least one windshield wiper based on a measured value
of a torque of said motor received by said controller,

said windshield wiper wiping ~~wipes~~ said window between two limits of travel, and said windshield wiper being ~~is~~ placeable in a summer parking mode and a winter parking mode, wherein in said summer parking mode, said wiper is at rest generally at one of the limits of travel, and wherein in said winter parking mode, said wiper is between said limits of travel.

66. (Previously Presented) Apparatus according to claim 61, and also comprising a heating element disposed in the vessel for heating the fluid in the vessel.

67. (Currently Amended) A method for cleaning or de-icing a vehicle window, comprising:

providing a vehicle including a reservoir for containing therein a washing fluid, a vessel having an inlet through which the washing fluid is received from the reservoir and an outlet through which the fluid is discharged, at least one spray head in fluid communication with the outlet through which the fluid is sprayed onto at least one vehicle window, at least one windshield wiper for wiping said at least one window and a windshield wiper actuator system including a motor which actuates said windshield wiper and a controller operative to control at least one of said at least one spray head and said at least

one windshield wiper based on a measured value of a torque of said motor received by said controller; and

controlling at least one of said at least one spray head and said at least one windshield wiper based on said measured value, said controlling comprising:

moving said at least one windshield wiper in both a clockwise direction and a counterclockwise direction between two limits of travel; and

changing the direction of said at least one windshield wiper without reaching at least one of said two limits of travel.